



Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Title 5 Permitting

Approval of Alternative Technologies

BRP WP 61a Approval of Alternative Technology for Remedial Use

BRP WP 61b Approval of Alternative Technology for Piloting, Provisional Use, or Certification for General Use

BRP WP 61c Approval of Alternative Devices for Grease Removal

BRP WP 61f Renewal of Approval or Certification for Alternative Technology

Instructions and Supporting Materials

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Introduction

DEP *Permit Applications*, as well as *Instructions & Support Materials*, are available for download from the DEP Web site at www.state.ma.us/dep in two file formats: Microsoft Word[®] and Adobe Acrobat PDF[®]. Either format allows documents to be printed.

Instructions & Support Materials files in Microsoft Word[®] format contain a series of documents that provide guidance on how to prepare a permit application. Although we recommend that you print out the entire package, you may choose to print specific documents by selecting the appropriate page numbers for printing.

Permit Applications in Microsoft Word[®] format must be downloaded separately. Users with Microsoft Word[®] 97 or later may complete these forms electronically.

Permitting packages in Adobe Acrobat PDF[®] format combine *Permit Applications* and *Instructions & Support Materials* in a single document. Adobe Acrobat PDF[®] files may only be viewed and printed without alteration. *Permit Applications* in this format may not be completed electronically.



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Permit Fact Sheet

1. What is the purpose of these approvals?

The purpose of these approvals is to ensure that alternative Title 5 technologies, which have substitute or alternative components for one or more elements of a conventional on-site system, can provide the same or a higher degree of environmental and public health protection as a conventional system.

BRP WP 61a establishes an approval process for DEP review of alternative technologies proposed for widespread remedial use. Remedial Use is intended to demonstrate that the alternative technology is likely to improve conditions at an existing facility served by a conventional system that has failed, is in the process of failing, or does not meet state standards.

BRP WP 61b establishes a three-tiered approval process for DEP review of alternative technologies as follows:

1. **Piloting** is intended to demonstrate that the technology proposed is likely to provide a level of environmental protection at least equal to that of a system designed and built in accordance with Title 5.
2. **Provisional Approval** is intended to evaluate alternative technologies that appear technically capable of providing levels of protection at least equivalent to those of standard on-site disposal systems. This approval will also determine whether, under actual field conditions, unrestricted use of the alternative technology will provide such protection, and whether any additional conditions addressing long-term operation and maintenance and monitoring considerations are necessary to ensure that such protection will be provided.
3. **Certification for General Use** is intended to facilitate the use, under appropriate conditions, of alternative technologies that have demonstrated levels of environmental protection at least equivalent to those of standard on-site systems.

BRP WP 61c is intended to evaluate and facilitate the use of alternative grease removal devices to be used in Title 5 systems.

BRP WP 61f establishes a renewal process for existing approvals or certifications that contain an expiration date.

2. Who must apply?

For BRP WP 61a and BRP WP 61b:

Developers of alternative technologies seeking approval for widespread use of a technology that will treat and discharge to the ground sanitary wastewater up to 10,000 gallons per day.

If this category does not apply to you, please be advised this is not the only category for discharges to the ground. Please consult regulations 310 CMR 4.00 and the Water Pollution Control Regulations (314 CMR 1.00 - 12.00), to determine whether another category may apply to you.



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For BRP WP 61c:

Developers of alternative devices for the removal of grease seeking approval for widespread use of a device, not previously approved by DEP, to be used on sanitary wastewater discharges of up to 10,000 gallons per day.

Grease removal devices located within a building as part of the internal plumbing do not require this permit, but must conform to requirements of the Massachusetts State Plumbing Code, 248 CMR 2.00.

For BRP WP 61f:

Developers of alternative technologies that have a DEP Title 5 approval or certification with an expiration date, and who wish to have the approval or certification renewed. The renewal application must be submitted at least 180 days prior to the expiration date of the existing approval or certification.

3. What is the application fee?

For BRP WP 61a, b and c:

The application fee is an amount negotiated between the applicant and DEP, in accordance with 310 CMR 4.05. The application fee is calculated as the actual DEP review time multiplied by \$90 an hour. Upon submission of your application, you will be contacted by the DEP and the terms of a timely action and fee agreement will be negotiated.

For BRP WP 61f :

The application fee is \$345.

4. What is the Primary Permit Location? What is the Reserve Copy Location?

Primary Permit Location:

Department of Environmental Protection (2 copies)

Bureau of Resource Protection

Title 5 Permitting Program, 6th Floor

One Winter Street

Boston, MA 02108

There are no Reserve Copy Locations for these permits.

5. What are the timelines?

For BRP WP 61a, b and c:

The timelines are negotiated between the applicant and DEP in accordance with 310 CMR 4.05. You will be contacted by DEP after submission of your application and a schedule for timely action will be developed.

For BRP WP 61f:

If DEP fails to issue a determination on an adequately prepared application within 90 days of receipt of the application and payment of the application fee, the Department will refund the fee and will continue the review.



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Permit Fact Sheet

6. What is the annual compliance fee?

There is no annual compliance fee for these approvals.

7. How long are the approvals in effect?

These approvals are generally in effect for five years.

8. How can I avoid the most common mistakes made in applying for these approvals?

- a. Review the application for completeness to be sure all questions are answered correctly.
- b. Do not submit fees to DEP at this time unless you applying for BRP WP61f.

9. What are the regulations that apply to these approvals? Where can I get copies?

These regulations include, but are not limited to:

- Timely Action Schedule and Fee Provisions, 310 CMR 4.00.
- Title 5 Regulations, 310 CMR 15.000;
 - Section 15.280 – 15.284, BRP WP61a
 - Sections 15.280 – 15.289, BRP WP61b
 - Section 15.230, BRP WP61c
 - Sections 15.280 – 15.289, BRP WP61f

These may be purchased at:

State Bookstore
Massachusetts State House, Rm 116
Boston, MA 02133
(617) 727-2834

State Bookstore
436 Dwight Street
Springfield, MA 01103
(413) 784-1376

DEP Regulations also may be obtained from DEP's web site at <http://mass.gov/dep>.



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Application Completeness Checklist

- ☐ The DEP Transmittal Form has been completed. When completing the Transmittal Form, ensure that the permit code suffix "a," "b," "c," or "f" is written immediately after the space provided for the seven digit character code at the top of the Form.
- ☐ A DEP application form for the permit category BRP WP61 has been completed. The following information and attachments have been provided:
 - Identification of the type of DEP approval being sought.
 - Name, address, telephone, fax number and E-mail of legally responsible official.
 - Name, address and telephone number of contact person, if different from applicant.
 - Technology information including: name and model # of technology; performance data system description; alternative design standards; cost information; data regarding review, approval, or denial by other state jurisdictions; operation and maintenance requirements.
- ☐ For **BRP WP 61b** applications only:

If the BRP WP61b application is for Provisional or General Use, a proposed notice for *The Environmental Monitor* has been included. This requirement does not apply to Piloting Approval.
- ☐ To submit the application package:
 - ☐ Checklist items have been completed.
 - ☐ Send one copy of the application package along with the DEP Transmittal Form to:
Department of Environmental Protection
Bureau of Resource Protection
Title 5 Permitting Program
One Winter Street, 6th Floor
Boston, MA 02108
- ☐ For **BRP WP61f** applications only:

Send a copy of the DEP Transmittal Form and a check or money order for \$345 made payable to *Commonwealth of Massachusetts* to:
Department of Environmental Protection
PO Box 4062
Boston, MA 02211
- ☐ For **BRP WP61a, BRP WP61b, or BRP WP61c**: Do not send a fee now. The application fee for these permits is negotiated. Following submission of your application you will be contacted by DEP and an appropriate fee and schedule for timely action will be established.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection – Title 5 Permitting

Transmittal # _____

Approval of Alternative Technologies

BRP WP 61a Approval of Alternative Systems for Remedial Use

BRP WP 61b Approval of Alternative Systems for Piloting, Provisional Use, or Certification for General Use

BRP WP 61c Approval of Alternative Devices for Grease Removal

BRP WP 61f Renewal of Alternative System Approval or Certification

Important:

When filling out forms on the computer, use only the tab key to move your cursor – do not use the return key.



If you press the enter or return key, please press the backspace key until the form returns to normal.

Please read the Instructions and Supporting Materials before filling out this form.

A. General Information

1. Permit Category:

- | | | |
|------------------------------------|--|--|
| <input type="checkbox"/> BRP WP61a | Approval of Alternative Systems for Remedial Use | |
| <input type="checkbox"/> BRP WP61b | Approval of Alternative Systems for Piloting Provisional Use, or Certification for General Use | |
| <input type="checkbox"/> BRP WP61c | Approval of Alternative Devices for Grease Removal | |
| <input type="checkbox"/> BRP WP61f | If a renewal, which type? | |
| | <input type="checkbox"/> Remedial Use | <input type="checkbox"/> Piloting |
| | <input type="checkbox"/> Provisional Use | <input type="checkbox"/> Certification for General Use |

An applicant is considered to be the firm, individual, or other legal entity seeking or required to apply for a DEP approval or determination.

2. Applicant Information:

Legally Responsible Official

Company Name

Organizational Structure, i.e. corporation, partnership, etc.

If corporation, state where incorporated

Street Address/PO Box

City/Town

State

Zip Code

Telephone Number

e-mail address

Fax Number

Person to be contacted in the event of questions with this application.

Contact Person

Company Name

Street Address/PO Box

City/Town

State

Zip Code

Telephone Number

e-mail address

Fax Number

If contact and applicant are the same person, write "same".



Approval of Alternative Technologies

B. Technology Information

1. Indicate trade name of the technology and model numbers (provide .PDF, .JPG or .GIF schematics of all models):

Trade name of technology

Model numbers

Trade name of technology

Model numbers

Trade name of technology

Model numbers

Trade name of technology

Model numbers

2. Approval for:

Indicate the type of use for which the approval is being sought.

☐ Remedial Use

☐ Provisional Use

☐ Certification for General Use

☐ Grease Removal

☐ Piloting

☐ Renewal

3. Performance Data:

Is testing or performance data available for the system or has new testing or performance data become available since the last application filed with DEP? For Renewals, has additional data become available?

☐ Yes

☐ No

If yes, indicate source of data and attach copies:

☐ Other states

☐ Independent third parties

☐ NSF

☐ Other

4. Briefly describe the alternative system (attach additional sheets if necessary):



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B. Technology Information (cont.)

5. Indicate the proposed alternative design standards for which approval is being sought:

- ☐ Alternative leaching system ☐ Enhanced nitrogen removal credit
- ☐ Alternative loading rates and leach field sizing
- ☐ Other (please specify design standard):

Provide specific proposed alternative design standards, referencing relevant portions of Title 5 regulations. Attach additional pages as needed.

6. Cost information (not needed for renewals):

Provide any cost information concerning this technology. Attach documents as needed.

7. Approvals/Denials:

Has use of the alternative technology been approved or denied in other states? For renewals, has the system been approved or denied in other states since the filing of the last DEP application?

- ☐ Yes (Please attach copies of state approval or denial letters)
- ☐ No



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B. Technology Information (cont.)

8. Operation and Maintenance: Summarize O&M requirements and attach an operation and maintenance manual, including information on substances that should not be discharged to the system, a maintenance checklist, and a recommended schedule for maintenance (attach additional sheets if necessary). Electronic copies of this information will be required at time of approval; do not send electronic copies with this application.

New Applications:
describe the design and O&M requirements.

Renewals:
describe any design or O&M change being proposed or implemented since the last application.

9. Sampling Protocol: Attach a standard protocol for sampling in accordance with the latest edition of Standard Methods for the Examination of Water and Wastewater, including recommended sampling ports and locations. For Renewals, attach any recommended changes to the sampling protocol since the last application.
10. Minimum installation requirements: Describe installation procedures for the units, including any special requirements (attach additional sheets if necessary):

New Applications:
describe the minimum requirements for installation.

Renewals:
describe any change since last application.

11. Training program for operators, designers, and installers: Outline a training program and proposed training schedule (attach additional sheets if necessary):

New Applications:
describe the training program and provide outline.

Renewals:
describe any change since last application.



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B. Technology Information (cont.)

12. MEPA Compliance:

301 CMR 11.00, the Massachusetts Environmental Policy Act, requires publication of a Public Notice in *The Environmental Monitor* for applications for Provisional Use or Certification for General Use.

Is notice required for this application? ☐ Yes (Please attach copy of Public Notice) ☐ No

C. Certification

"I certify under penalty of law that this document and all attachments, to the best of my knowledge and belief, are true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Applicant's signature

Print Name

Name of Preparer

Date